RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/562,132_

Source: _1 FWP_

Date Processed by STIC: _3/6/07_

ENTERED

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        RAW SEQUENCE LISTING              DATE: 03/06/2007
        PATENT APPLICATION:  US/10/562,132   TIME: 08:51:32

            Input Set : A:\126446.ST25.txt
            Output Set: N:\CRF4\03062007\J562132.raw

   3 <110> APPLICANT: Pedersen, Susanne
   4         Cole, Robert
   5         Wienberger, Ron
   6         Sloane, Andrew
   8 <120> TITLE OF INVENTION: Method of isolating a protein
  10 <130> FILE REFERENCE: FBR0005-100
  12 <140> CURRENT APPLICATION NUMBER: 10/562,132
C-->  14 <141> CURRENT FILING DATE: 2005-12-23
  14 <150> PRIOR APPLICATION NUMBER: AU 2003903317
  15 <151> PRIOR FILING DATE: 2003-06-27
  17 <150> PRIOR APPLICATION NUMBER: PCT/AU2004/00856
  18 <151> PRIOR FILING DATE: 2004-06-28
  20 <160> NUMBER OF SEQ ID NOS: 26
  22 <170> SOFTWARE: PatentIn version 3.3
  24 <210> SEQ ID NO: 1
  25 <211> LENGTH: 593
  26 <212> TYPE: PRT
  27 <213> ORGANISM: Streptococcus sp.
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  35 Gly Leu Ala Ser Val Ser Ala Ala Phe Leu Val Gly Ser Thr Val Phe
  36             20                  25                  30
  39 Ala Val Asp Ser Pro Ile Glu Asp Thr Pro Ile Ile Arg Asn Gly Gly
  40         35                  40                  45
  43 Glu Leu Thr Asn Leu Leu Gly Asn Ser Glu Thr Thr Leu Ala Leu Arg
  44     50                  55                  60
  47 Asn Glu Glu Ser Ala Thr Ala Asp Leu Thr Ala Ala Ala Val Ala Asp
  48 65                  70                  75                  80
  51 Thr Val Ala Ala Ala Ala Ala Glu Asn Ala Gly Ala Ala Ala Trp Glu
  52                 85                  90                  95
  55 Ala Ala Ala Ala Ala Asp Ala Leu Ala Lys Ala Lys Ala Asp Ala Leu
  56             100                 105                 110
  59 Lys Glu Phe Asn Lys Tyr Gly Val Ser Asp Tyr Tyr Lys Asn Leu Ile
  60             115                 120                 125
  63 Asn Asn Ala Lys Thr Val Glu Gly Val Lys Asp Leu Gln Ala Gln Val
  64     130                 135                 140
  67 Val Glu Ser Ala Lys Lys Ala Arg Ile Ser Glu Ala Thr Asp Gly Leu
  68 145                 150                 155                 160
  71 Ser Asp Phe Leu Lys Ser Gln Thr Pro Ala Glu Asp Thr Val Lys Ser
  72             165                 170                 175
  75 Ile Glu Leu Ala Glu Ala Lys Val Leu Ala Asn Arg Glu Leu Asp Lys
  76             180                 185                 190
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 79 Tyr Gly Val Ser Asp Tyr His Lys Asn Leu Ile Asn Asn Ala Lys Thr
 80         195             200             205
 83 Val Glu Gly Val Lys Asp Leu Gln Ala Gln Val Val Glu Ser Ala Lys
 84     210             215             ·       220
 87 Lys Ala Arg Ile Ser Glu Ala Thr Asp Gly Leu Ser Asp Phe Leu Lys
 88 225             230             235             240
 91 Ser Gln Thr Pro Ala Glu Asp Thr Val Lys Ser Ile Glu Leu Ala Glu
 92             245             250             255
 95 Ala Lys Val Leu Ala Asn Arg Glu Leu Asp Lys Tyr Gly Val Ser Asp
 96             260             265             270
 99 Tyr Tyr Lys Asn Leu Ile Asn Asn Ala Lys Thr Val Glu Gly Val Lys
100         275             280             285
103 Ala Leu Ile Asp·Glu Ile Leu Ala Ala Leu Pro Lys Thr Asp Thr Tyr
104     290             295             300
107 Lys Leu Ile Leu Asn Gly Lys Thr Leu Lys Gly Glu Thr Thr Thr Glu
108 305   ·             310             315             320
111 Ala Val Asp Ala Ala Thr Ala Glu Lys Val Phe Lys Gln Tyr Ala Asn
112             325             330             335
115 Asp Asn Gly Val Asp Gly Glu Trp Thr Tyr Asp Asp Ala Thr Lys Thr
116             340             345             350
119 Phe Thr Val Thr Glu Lys Pro Glu Val Ile Asp Ala Ser Glu Leu Thr
120         355             360             365
123 Pro Ala Val Thr Thr Tyr Lys Leu Val Ile Asn Gly Lys Thr Leu Lys
124     370             375             380
127 Gly Glu Thr Thr Thr Glu Ala Val Asp Ala Ala Thr Ala Glu Lys Val
128 385             390             395             400
131 Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val Asp Gly Glu Trp Thr Tyr
132             405             410             415
135 Asp Asp Ala Thr Lys Thr Phe Thr Val Thr Glu Lys Pro Glu Val Ile
136         420             425             430
139 Asp Ala Ser Glu Leu Thr Pro Ala Val Thr Thr Tyr Lys Leu Val Ile
140         435             440             445
143 Asn Gly Lys Thr Leu Lys Gly Glu Thr Thr Thr Lys Ala Val Asp Ala
144     450             455             460
147 Glu Thr Ala Glu Lys Ala Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val
148 465             470             475             480
151 Asp Gly Val Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val Thr
152             485             490             495
155 Glu Met Val Thr Glu Val Pro Gly Asp Ala Pro Thr Glu Pro Glu Lys
156         500             505             510
159 Pro Glu Ala Ser Ile Pro Leu Val Pro Leu Thr Pro Ala Thr Pro Ile
160   ·     515         ·     520             525
163 Ala Lys Asp Asp Ala Lys Lys Asp Asp Thr Lys Lys Glu Asp Ala Lys
164     530             535             540
167 Lys Pro Glu Ala Lys Lys Glu Asp Ala Lys Lys Ala Glu Thr Leu Pro
168 545             550             555       ·     560
171 Thr Thr Gly Glu Gly Ser Asn Pro Phe Phe Thr Ala Ala Ala Leu Ala
172             565             570             575
175 Val Met Ala Gly Ala Gly Ala Leu Ala Val Ala Ser Lys Arg Lys Glu
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176  .          580                585                590
179 Asp
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184 <211> LENGTH: 454
185 <212> TYPE: PRT
186 <213> ORGANISM: Staphylococcus aureus
188 <400> SEQUENCE: 2
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194 Asn Ile Tyr Ser Ile Arg Lys Leu Gly Val Gly Ile Ala Ser Val Thr
195          .      20                  25                  30
198 Leu Gly Thr Leu Leu Ile Ser Gly Gly Val Thr Pro Ala Ala Asn Ala
199          35                  40                  45
202 Ala Gln His Asp Glu Ala Gln Gln Asn Ala Phe Tyr Gln Val Leu Asn
203     50                  55                  60
206 Met Pro Asn Leu Asn Ala Asp Gln Arg Asn Gly Phe Ile Gln Ser Leu
207 65                  70                  75                  80
210 Lys Asp Asp Pro Ser Gln Ser Ala Asn Val Leu Gly Glu Ala Gln Lys
211              85                  90                  95
214 Leu Asn Asp Ser Gln Ala Pro Lys Ala Asp Ala Gln Gln Asn Lys Phe
215              100                 105                 110
218 Asn Lys Asp Gln Gln Ser Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn
219          115                 120                 125
222 Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp
223     130                 135                 140
226 Pro Ser Gln Ser Thr Asn Val Leu Gly Glu Ala Lys Lys Leu Asn Glu
227 145                 150                 155                 160
230 Ser Gln Ala Pro Lys Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn
231              165                 170                 175
234 Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg
235          180                 185                 190
238 Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn
239          195                 200                 205
242 Leu Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys Ala
243     210                 215                 220
246 Asp Asn Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu
247 225                 230                 235                 240
250 His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Gly Phe Ile Gln Ser
251              245                 250                 255
254 Leu Lys Asp Asp Pro Ser Val Ser Lys Glu Ile Leu Ala Glu Ala Lys
255              260                 265                 270
258 Lys Leu Asn Asp Ala Gln Ala Pro Lys Glu Glu Asp Asn Asn Lys Pro
259          275                 280                 285
262 Gly Lys Glu Asp Asn Asn Lys Pro Gly Lys Glu Asp Gly Asn Lys Pro
263     290                 295                 300
266 Gly Lys Glu Asp Asn Lys Lys Pro Gly Lys Glu Asp Gly Asn Lys Pro
267 305                 310                 315                 320
270 Gly Lys Glu Asp Asn Lys Lys Pro Gly Lys Glu Asp Gly Asn Lys Pro
271   .              325                 330                 335
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274 Gly Lys Glu Asp Gly Asn Lys Pro Gly Lys Glu Asp Gly Asn Lys Pro
275             340             345             350
278 Gly Lys Glu Asp Gly Asn Gly Val His Val Val Lys Pro Gly Asp Thr
279         355             360             365
282 Val Asn Asp Ile Ala Lys Ala Asn Gly Thr Thr Ala Asp Lys Ile Ala
283     370             375             380
286 Val Asp Asn Lys Leu Ala Asp Lys Asn Met Ile Lys Pro Gly Gln Glu
287 385             390             395             400
290 Leu Val Val Asp Lys Lys Gln Pro Ala Asn His Ala Asp Ala Asn Lys
291             405             410             415
294 Ala Gln Ala Leu Pro Glu Thr Gly Glu Glu Asn Pro Phe Ile Gly Thr
295         420             425             430
298 Thr Val Phe Gly Gly Leu Ser Leu Ala Leu Gly Ala Ala Leu Leu Ala
299         435             440             445
302 Gly Arg Arg Arg Glu Leu
303     450
306 <210> SEQ ID NO: 3
307 <211> LENGTH: 719
308 <212> TYPE: PRT
309 <213> ORGANISM: Peptostreptococcus magnus
311 <400> SEQUENCE: 3
313 Met Ala Ala Leu Ala Gly Ala Ile Val Val Thr Gly Gly Val Gly Ser
314 1               5                   10                  15
317 Tyr Ala Ala Asp Glu Pro Ile Asp Leu Glu Lys Leu Glu Glu Lys Arg
318             20              25              30
321 Asp Lys Glu Asn Val Gly Asn Leu Pro Lys Phe Asp Asn Glu Val Lys
322         35              40              45
325 Asp Gly Ser Glu Asn Pro Met Ala Lys Tyr Pro Asp Phe Asp Asp Glu
326     50              55              60
329 Ala Ser Thr Arg Phe Glu Thr Glu Asn Asn Glu Phe Glu Glu Lys Lys
330 65              70              75              80
333 Val Val Ser Asp Asn Phe Phe Asp Gln Ser Glu His Pro Phe Val Glu
334             85              90              95
337 Asn Lys Glu Glu Thr Pro Glu Thr Pro Glu Thr Asp Ser Glu Glu Glu
338             100             105             110
341 Val Thr Ile Lys Ala Asn Leu Ile Phe Ala Asn Gly Ser Thr Gln Thr
342         115             120             125
345 Ala Glu Phe Lys Gly Thr Phe Glu Lys Ala Thr Ser Glu Ala Tyr Ala
346     130             135             140
349 Tyr Ala Asp Thr Leu Lys Lys Asp Asn Gly Glu Tyr Thr Val Asp Val
350 145             150             155             160
353 Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly Lys Glu Lys
354             165             170             175
357 Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala Asn Leu Ile
358             180             185             190
361 Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu
362         195             200             205
365 Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Ala Leu Lys Lys Asp
366     210             215             220
```

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369 Asn Gly Glu Tyr Thr Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn
370 225             230             235             240
373 Ile Lys Phe Ala Gly Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu
374         245             250             255
377 Val Thr Ile Lys Ala Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr
378         260             265             270
381 Ala Glu Phe Lys Gly Thr Phe Glu Glu Ala Thr Ala Glu Ala Tyr Arg
382         275             280             285
385 Tyr Ala Asp Leu Leu Ala Lys Glu Asn Gly Lys Tyr Thr Val Asp Val
386         290             295             300
389 Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly Lys Glu Lys
390 305             310             315             320
393 Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala Asn Leu Ile
394             325             330             335
397 Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Ala
398         340             345             350
401 Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Leu Leu Ala Lys Glu
402         355             360             365
405 Asn Gly Lys Tyr Thr Ala Asp Leu Glu Asp Gly Gly Tyr Thr Ile Asn
406         370             375             380
409 Ile Arg Phe Ala Gly Lys Lys Val Asp Glu Lys Pro Glu Glu Lys Glu
410 385             390             395             400
413 Gln Val Thr Ile Lys Glu Asn Ile Tyr Phe Glu Asp Gly Thr Val Gln
414             405             410             415
417 Thr Ala Thr Phe Lys Gly Thr Phe Ala Glu Ala Thr Ala Glu Ala Tyr
418         420             425             430
421 Arg Tyr Ala Asp Leu Leu Ser Lys Glu His Gly Lys Tyr Thr Ala Asp
422         435             440             445
425 Leu Glu Asp Gly Gly Tyr Thr Ile Asn Ile Arg Phe Ala Gly Lys Glu
426         450             455             460
429 Glu Pro Glu Glu Thr Pro Glu Lys Pro Glu Val Gln Asp Gly Tyr Ala
430 465             470             475             480
433 Ser Tyr Glu Glu Ala Glu Ala Ala Ala Lys Glu Ala Leu Lys Asn Asp
434             485             490             495
437 Asp Val Asn Lys Ser Tyr Thr Ile Arg Gln Gly Ala Asp Gly Arg Tyr
438         500             505             510
441 Tyr Tyr Val Leu Ser Pro Val Glu Ala Glu Glu Glu Lys Pro Glu Ala
442         515             520             525
445 Gln Asn Gly Tyr Ala Thr Tyr Glu Glu Ala Glu Ala Ala Ala Lys Lys
446         530             535             540
449 Ala Leu Glu Asn Asp Pro Ile Asn Lys Ser Tyr Ser Ile Arg Gln Gly
450 545             550             555             560
453 Ala Asp Gly Arg Tyr Tyr Tyr Val Leu Ser Pro Val Glu Ala Glu Thr
454             565             570             575
457 Pro Glu Lys Pro Val Glu Pro Ser Glu Pro Ser Thr Pro Asp Val Pro
458         580             585             590
461 Ser Asn Pro Ser Asn Pro Ser Thr Pro Asp Val Pro Ser Thr Pro Asp
462         595             600             605
465 Val Pro Ser Asn Pro Ser Thr Pro Glu Val Pro Ser Asn Pro Ser Thr
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/06/2007
PATENT APPLICATION: US/10/562,132   TIME: 08:51:33

Input Set : A:\126446.ST25.txt
Output Set: N:\CRF4\03062007\J562132.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5

VERIFICATION SUMMARY   DATE: 03/06/2007
PATENT APPLICATION: **US/10/562,132**   TIME: 08:51:33

Input Set : **A:\126446.ST25.txt**
Output Set: **N:\CRF4\03062007\J562132.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date